

Model: 6-FM-7.2

GP SERIES

General Features

- Better discharge characteristic than normal VRLA batteries.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Application

- Electric Powered Vehicles. Electric Powered Toys.
- Golf Cars and Buggies. Control System.
- Wheel chairs. Vacuum Cleaners.
- Power tools. Medical Equipments.



General Characteristics

Battery Model	6-FM-7.2			
Designed Cycle life	5Years			
Capacity(25°C)	20HR(0.36A,1.75V)	10HR(0.65A,1.75V)	5HR(1.12A,1.75V)	1HR(4.6A,1.75V)
	7.2AH	6.5AH	5.6AH	4.6AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	95mm(3.74inch)	101mm(3.98inch)
Approx. Weight	2.55Kg (5.63 lbs)			
Internal resistance	Full charged at25°C :0.02Ohm			
Self discharge	3% of capacity declined per month at 25°C			
Capacity affected by temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle use			Float use
	14.4-14.8V(-30mV/°C),maxCurrent: 2.16A			13.6-13.8(-20mV/°C)

Constant current discharge ratings-amperes at (25°C)

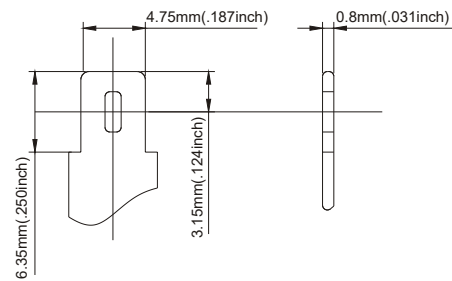
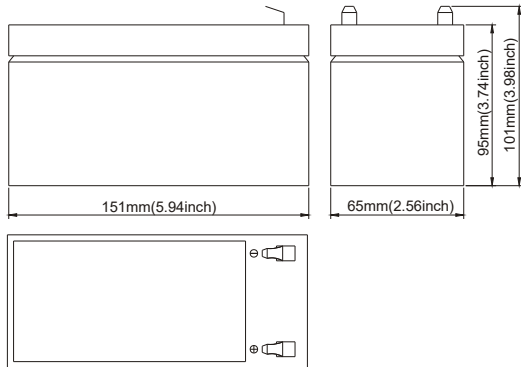
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	28.1	17.5	13.2	8.05	5.12	2.25	1.37	0.77	0.40
1.67V	26.4	16.6	12.7	7.70	5.05	2.16	1.34	0.76	0.39
1.70V	24.2	16.0	12.4	7.00	4.90	2.02	1.32	0.76	0.38
1.75V	23.7	15.5	12.0	6.65	4.67	1.95	1.29	0.75	0.37
1.80V	21.2	14.8	10.9	6.16	4.37	1.87	1.21	0.74	0.36
1.85V	18.7	14.1	9.80	5.67	4.07	1.80	1.13	0.73	0.35

Constant power discharge ratings-watts at (25°C)

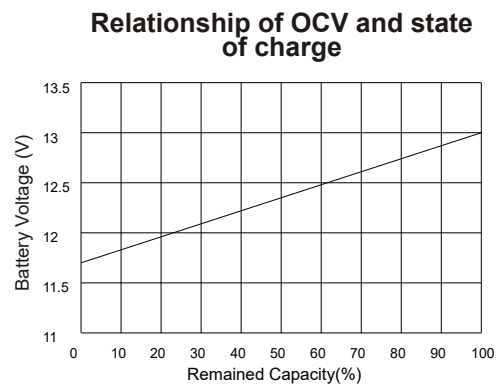
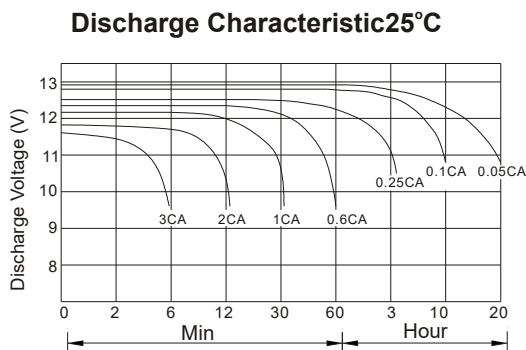
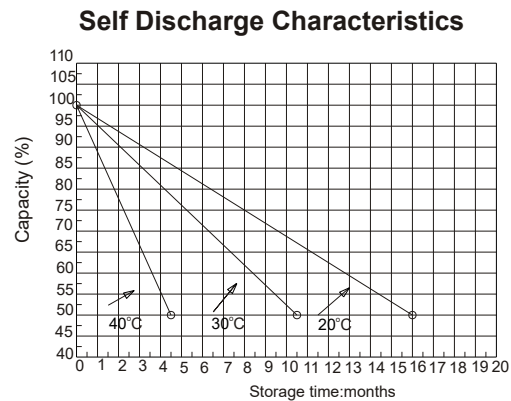
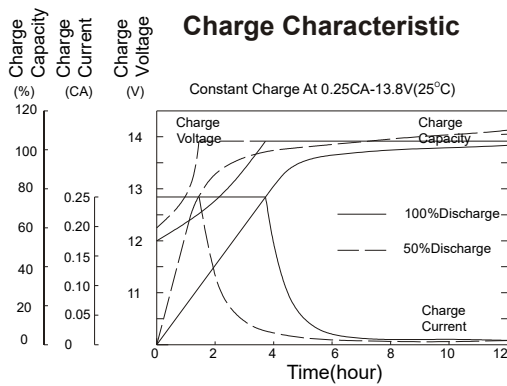
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	49.3	31.6	24.1	14.5	9.24	3.98	2.32	1.54	0.81
1.67V	47.6	30.8	23.8	14.2	9.18	3.86	2.31	1.53	0.78
1.70V	44.8	30.5	23.6	13.3	9.00	3.69	2.28	1.52	0.77
1.75V	45.1	30.4	23.4	12.9	8.85	3.60	2.26	1.50	0.75
1.80V	41.3	30.0	21.7	12.3	8.34	3.49	2.19	1.48	0.73
1.85V	37.4	28.4	19.7	11.5	7.84	3.39	2.12	1.46	0.70

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Terminal Dimensions



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